

# SANYO

## SANYO STEREO TURNTABLE TP 1000 SERVICE MANUAL



## SPECIFICATIONS

Motor	DC brushless motor
Drive system	Direct drive
Speeds	33-1/3 and 45 rpm
Speed control range	Individual controls: $\pm 3\%$
Wow & flutter	Less than 0.03% WRMS
Signal-to-noise ratio	Better than 60 dB
Turntable platter	13-3/8" (34 cm) dia. 4 lbs. 7 ozs. (2.0 kg)
Tone arm	Static-balance type, S-shaped
Tracking error	$\pm 1^\circ$

Tracking force range	0 — 3g
Cartridge	Magnetic stereo cartridge
Stylus	0.5 mil diamond stylus
Frequency response	20 — 25,000 Hz
Channel separation	Better than 25 dB
Power source	AC 120, 200, 220, 240V, 50/60Hz
Power consumption	10W
Dimensions	19-3/8" (W) x 7-5/16" (H) x 15-3/4" (D) (492 x 186 x 400 mm)
Weight	18 lbs. 11 ozs. (13.0 kg) Approx

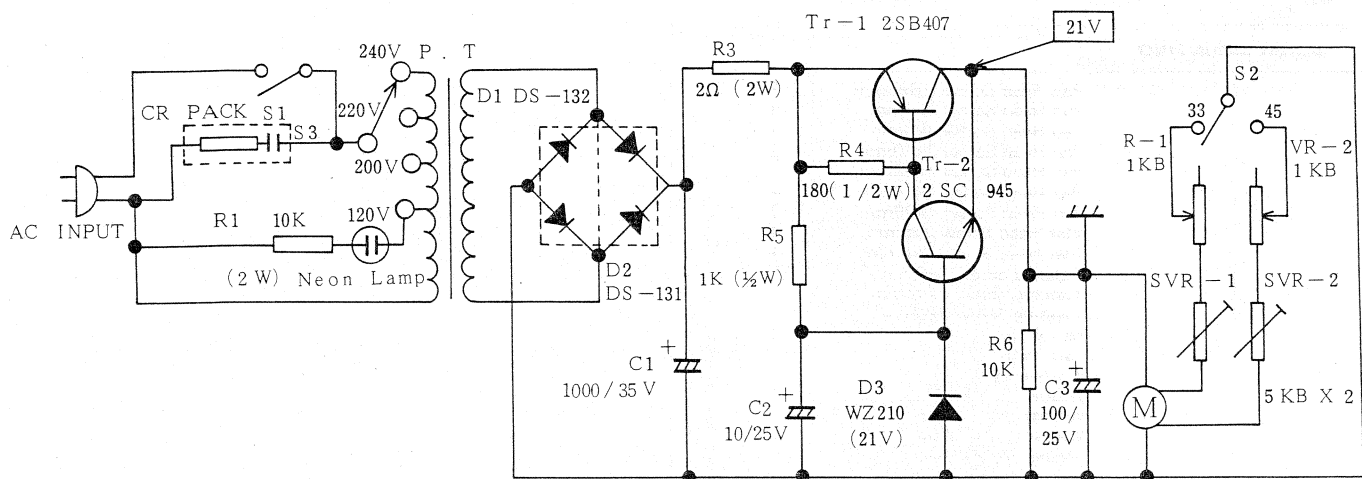
## PARTS LIST

Key. No.	Part No.	Description	Q'ty
<b>PACKING</b>			
	141-6-144T-16700	Styrol Filler, Set & Dust Cover	2
	141-6-144T-17000	Styrol Filler, Compartment Case	1
	141-6-316T-57800	Pad, Turntable	1
	141-6-316T-57900	Pad, Turntable	1
	141-6-316T-58000	Pad, Motor Fixer	1
	141-6-132T-51100	Individual Carton	1
		Ribbon 12x300mm, Arm & Output Cord Fixer	2
	141-6-316T-58700	Pad, Turntable	2
	141-6-316T-62500	Pad, Compartment	1
	141-6-411T-62900	Instruction Booklet	1
	141-6-472T-05603	Caution Label, Voltage (240V) Indicate	1
		Polyethylene Bag 430x520x350mm, Set	1
		Polyethylene Bag 370x400mm, Turntable Rubber Sheet	2
		Polyethylene Bag 490x100x490mm, Outer Dust Cover	1
		Polyethylene Bag 60x150mm, Power Supply & Output Cord	2
		Polyethylene Bag 240x350mm, Inst. Book	1
		Polyethylene Bag 100x100mm, Oil Case	1
		Polyethylene Bag 200x450x800mm, Inner Dust Cover	1
		Polyethylene Bag 100x100mm, Cartridge	1
	141-6-113T-38803	Outer Carton	1
<b>ACCESSORY</b>			
	141-0-197T-01191	Oil Case Assembly	1
	4-235R-11801	Adaptor, England 2 Pin Type	1
	4-235R-11802	Adaptor, Siemens 2 Pin Type	1
<b>CABINET</b>			
	141-0-121T-10891	Deck Panel Assembly	1
	141-0-118T-00191	Turntable Assembly	1
	141-0-135T-29991	Dust Cover Assembly	1
	141-2-126T-11700	Back Lid	1
	141-2-246T-06100	Sheet, Turntable	1
	141-0-156T-00200	Cup Knob Assembly, Speed Select	2
	141-0-156T-00300	Cup Knob Assembly, Power SW	1
	4-612T-04791	Strobe Lamp Assembly	1
	141-0-174T-03391	Stand Assembly	4
	141-2-251T-05900	Hinge, Cover mtg.	2
	141-2-163T-18600	Rotary Knob, Speed Control	2
	141-2-122T-09102	Front Panel, Arm mtg. Board	1
	141-2-352T-08100	Spacer, Adaptor	1
	141-2-421T-13400	Special Screw, Front Panel mtg.	4
	141-2-361T-10000	Bracket, VR mtg.	1
	141-2-251T-06000	Hinge, Cover Opener	2

Key. No.	Part No.	Description	Q'ty
	141-2-274T-01300	Bracket, Stand mtg.	1
	141-2-365T-23400	Bracket, Power Switch mtg.	1
	141-2-246T-06400	Sheet, Dust Cover	1
	141-2-421T-13800	Special Screw, Bracket Resistor	4
	141-2-445T-05000	Rubber Cushion, Bracket Resistor	4
	141-2-445T-14300	Rubber Cushio, Output Cord Fixer	1
	141-2-289T-01600	Adhesive Film, Dust Cover	4
	141-2-461T-20700	Pipe, PT mtg.	2
	141-2-371T-06000	Bracket, PT mtg.	1
	123-2-445R-01600	Rubber Cushion, PT mtg.	2
	141-2-411T-03900	Plate Nut, PT mtg.	2
		Adhesive Tape UL 12x100mm, Deck Panel	1
	141-2-441T-04800	Felt Cushion, Motor mtg.	2
	141-0-718T-00600	Arm Assembly	1
	141-0-367T-25291	Bracket Assembly, Socket	1
<b>ELECTRICAL PARTS</b>			
	141-2-464T-11800	Fixer, AC Cord mtg.	1
	4-231T-42300	Push Switch, Speed Select	1
	4-231T-39471	Push Switch, Power SW	1
	141-2-382T-02000	Terminal Clip, Neon Lamp	1
	4-222T-34371	Variable Resistor 1KB, Speed Control	2
	4-227T-00100	CR Pack	1
	141-2-363T-03400	Bracket, CR Pack mtg.	1
	123-2-464R-10901	Fixer, Output Cord	1
	4-243R-00100	Power Supply Cord	1
	4-251T-31872	Power Transformer	1
	4-527T-06971	Motor, Direct Drive Motor	1
	4-235T-14600	Socket, Voltage Select	1
	4-236T-038911	Plug Assembly, Voltage Select	1
	4-157T-00300	Cartridge	1
		Resistor Metal Oxide Film 10K $\Omega$ $\pm 10\%$ 2W	1
<b>PRINTED CIRCUIT BOARD</b>			
	4-226T-60099	Printed Circuit Board Assembly	1
	4-222T-30700	Variable Resistor 5KB, Speed Control	2
		Resistor 2 $\Omega$ 2W	1
		Heat Sink	1
		Transistor 2SB407	1
		Transistor 2SC945	1
		Diode DS131	1
		Diode DS132	1
		Diode WZ210	1
		<b>CAPACITORS</b>	
		Electrolytic 1000 $\mu$ F 35WV	1
		Electrolytic 100 $\mu$ F 25WV	1
		Electrolytic 10 $\mu$ F 25WV	1
		<b>RESISTORS</b>	
		Solid Type 180 $\Omega$ $\pm 10\%$ 1/2W	1
		Solid Type 1K $\Omega$ $\pm 10\%$ 1/2W	1
		Carbon P Type 10K $\Omega$ $\pm 10\%$ 1/4W	1

- NOTES: 1. Part orders must contain Model Number, Part Number and Description.  
2. Unless otherwise noted, component parts indicated by parentheses in the column Q'ty are not available.  
3. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

## SCHEMATIC DIAGRAM

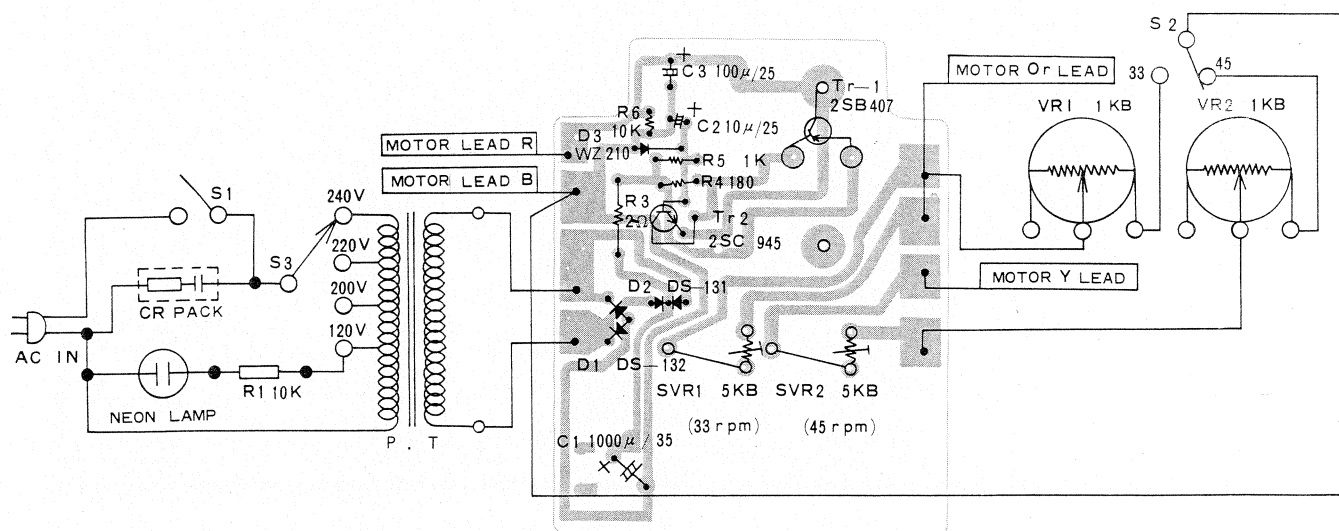


S1 Power SW

S2 33-45 rpm Changing SW

S3 Voltage selector

## WIRING DIAGRAM



## PARTS LIST

Key. No.	Part No.	Description	Q'ty
SCREW MOUNTING			
		Pan Head Screw 2.6x6mm	2
		Pan Head Screw 3x6mm	3
		Pan Head Screw 3x8mm	8
		Pan Head Screw 3x10mm	2
		Pan Head Screw 4x10mm	2
		Pan Head Screw 4x14mm	4
		Pan Head Screw 4x20mm	2
		Flat Head Screw 3x8mm	4
		Flat Head Screw 4x8mm	4
		Tapping Screw 3x8mm	17
		Tapping Screw 4x10mm	3
		Tapping Screw 3x6mm	2
		Nut 4mm	2
		Nut 3mm	3
		Washer 4mm	4
		Washer 3x10x0.5mm	1
		Washer 3x10x1mm	2
		Washer 3x8x0.5mm	1
		Washer 4x16x1mm	2
		Spring Washer 3mm	3
		Spring Washer 4mm	6
		Fiber Washer 3.3x8x0.5mm	3

**SANYO ELECTRIC TRADING CO., LTD.**  
**SANYO ELECTRIC CO., LTD.**  
 OSAKA, JAPAN

# MODIFICATION NOTICE



## STEREO TURNTABLE

Chassis Nos. \_\_\_\_\_  
Serial Nos. \_\_\_\_\_  
Run Nos. \_\_\_\_\_  
Date \_\_\_\_\_

TP 1000, TP 1000E

Date Aug. 10, 1976 Issued by M. Mitani

The following corrections should be made in the SERVICE MANUALS and PARTS (PRICE) LIST.

The following change has been made regarding the cartridge for the Model TP-1000 stereo turntable.

Cartridge with stylus      4-157T-00300 (MG25L)  
   ↘  
   4-157T-00500 (MG26L)

The styluses of these cartridge models are not interchangeable with each other. Note, therefore, the following instructions:

- (A) When the MG25L cartridge is provided on the tonearm, use only the ST25D stylus.
- (B) When the MG26L cartridge is provided on the tonearm, use only the ST26DL stylus (4-156T-00100).

REASON .....C

Production changes effective with 201st unit.

### REASON FOR MODIFICATION

A ..... Standardization  
B ..... Change of materials

C ..... Improvement of reliability      E .....  
D ..... Improvement of performance

SANYO ELECTRIC TRADING CO., LTD.  
OSAKA, JAPAN